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REPORTS PROGRESS OF WORK DIRECTED BY  
HUAI HO WATER-CONSERVANCY BOARD;  
YELLOW RIVER AND YUN HO DIKE REPAIRS

Plans have been drawn and actual work begun on large-scale water-conservancy projects on the Huai Ho. In some cases work has been completed on the construction of flood-water basins, strengthening of dikes, and deepening of river channels.

Thousands of laborers are being used in these projects. One of the most serious problems is the lack of trained cadres to supervise the workers. Universities, colleges, and government agencies are responding to the call for trained cadres.

Winter repair work on the Yellow River dikes is practically completed. Dike repairs on the Yun Ho, in north Kiangsu, will be completed before the end of 1950. Progress is being made on the new channel for the Shu Ho.

PLAN HUAI HO STORAGE BASINS -- Tsinan, Ta-chung Jih-Pao, 12 Nov 50

Peiping, 7 November (Hsin-hua) -- The work of surveying the upper, middle, and lower sections of the Huai Ho in preparation for large-scale conservation measures in Honan, north Anhwei and north Kiangsu, has been partially completed. During 21-31 October 1950, the director of the Honan Section of the Huai Ho Water-Conservancy Bureau conducted a conference of water-conservancy officials at which decisions were reached concerning the prosecution of the initial work to be undertaken on the upper section of the Huai Ho in Honan.

It is expected that 670,000 civilian laborers will be mobilized for the task of moving 40 million cubic meters of earth between now and the spring of 1951. Among the decisions made at the conference was one to construct at

- 1 -

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Lao-wang-p'o (1) [numbers refer to appended characters] a storage basin with a capacity for 1,600,000,000 metric tons of water, and nine basins at other low-lying places. Surveying is now in progress for the channels, water gates, and other installations connected with the flood-water storage basins.

Surveys have been completed for the straightening or relocation of the lower reaches of the tributaries of the Huai Ho between Cheng-yang-kuan and Hung-ho-k'ou (2). These tributaries include: the Ko Ho (3), the Ying Ho (4), the Hse-fei Ho (5), the Tz'u Ho (6), the Meng Ho (7), and the Li Ho (8).

While the tracts to be used for storage basins have already been surveyed, the problem of the relocation of the people dwelling in those areas has not been solved.

On 27 October 1950, the high-level inspection teams finished their work of inspecting the lower section of the Huai Ho and returned to Yang-chou for conferences to decide upon channel locations.

One of the most serious problems in connection with this work is that of securing the 1,400 or more trained cadres who will be needed to supervise the immense number of laborers to be engaged in the actual work. Some 470 men who are on the point of completing their education in civil and hydraulic engineering in universities and special vocational colleges have responded to the call for men. Others are being found in the service of other government agencies. The Huai Ho Water-Conservancy Bureau has set up a special institution for training hydraulic engineers. Many other institutions have been requested to add special courses of instruction in these subjects to augment the supply of trained men.

WORK BEGINS ON HUI HO CONTROL -- Hong Kong, Hsing-tao Jih-pao, 22 Dec 50

Pang-fou -- The large-scale work to control the Huai Ho has actually begun. On 20 November 1950, work was started on the construction of a storage basin in the low-lying land near Nan-wang-po(9) in Yen-ch'eng Hsien(10) for flood waters of the upper section of the river in Honan. Water-conservancy agents are active in Hsu-ch'ang, Hsin-yang, and Huang-ch'uan inspecting and supervising the preparatory work in those sections.

Surveying to deepen the river channels in the middle section of the river, in north Anhwei, was completed in mid-November. Over 10,000 people have begun work on the dikes that protect the city of Pang-fou and the area of the Huai-nan Coal Mines. During the winter and spring, the dike-protection work will require over 280,000 workers. Some 50 million catties of grain and a large amount of coal that will be needed for these workers are being transported to the supply depots. About 3,000 cadres are engaged in mobilizing and organizing that portion of the rural population in this area which is in need of labor relief.

In the lower section of the river, in northern Kiangsu, the dikes of the Huai Ho, the Yun Ho, and the I Ho are being strengthened, and the channels are being cleared. About 370,000 people are now at work in this section of the project.

During 7-12 November 1950, a conference attended by a full representation of political and water-conservancy officials of this whole area was held at Pang-fou. At this conference, the basic plans were reported, and the arrangements for implementing them were thoroughly discussed.

- 2 -

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NORTH ANHWEI CONSERVANCY WORK PLANNED AT HO-FEI -- Shanghai, Chieh-fang Jih-pao, 8 Dec 50

Ho-fei -- From 20 to 24 November 1950 inclusive, more than 40 officials from the four special administrative districts of An-ch'ing, Liu-an, Ch'u-hsien and Ch'ao-hu met in Ho-fei to plan the winter repair work for north Anhwei. It was decided that work on rivers in the Huai Ho watershed is to be under the direction of the Huai Ho Water-Conservancy Bureau, that of the north Anhwei tributaries of the Yangtze River will be under the direction of the North Anhwei Field Office of the East China Water-Conservancy Bureau, while the Lower Yangtze Engineering Bureau will be responsible for work on the main dikes of the Anhwei section of the Yangtze River. The higher-level bodies will attend to the major problems of engineering, finances, materials and food, while the local governments are responsible for the mobilization and immediate supervision of the laborers who do the actual work.

The standard cross section of dikes is to be 3 meters wide on top, with a 1:3 slope on the outer side and a 1:5 slope on the inner side. The top of the dikes is to be one-half meter higher than the high-water mark of the 1949 flood season. The local governments are expected to recruit 86,000 laborers for this work.

SHANTUNG RECONDITIONS YELLOW RIVER DIKES -- Tsinan, Ta-Chung Jih-pao, 8 Dec 50

Tsinan -- Above and below Tsinan, the Yellow River dikes have been reconditioned against next year's high water by winter repairs which are now practically completed. In the various hsien some 110,000 men, working under the supervision of about 2,500 cadres, have put in 1,455,300 man-days labor, and moved 1,127,000 cubic meters of earth. Nearly 6 million catties of grain were used in payment for this labor.

YUN HO DIKE REPAIRS UNDER WAY -- Shanghai, Chieh-fang Jih-pao, 8 Dec 50

Yang-chou -- During the 1950 Flood season, the dikes generally suffered greatly from wave action, scouring, and seepage and are in urgent need of repair before next summer. Winter repairs along practically the whole length of the Yun Ho in north Kiangsu are now in progress. The repair work will involve 5,420,000 cubic meters of earthwork, of which 1,770,000 cubic meters, or about one third, is to be finished before the end of 1950. Included in the task is the reconditioning of the water gates or spillways which permit water coming from the west to cross the Yun Ho and proceed by various channels eastward into the sea, and also the removal of silt deposits which choke the channels and reduce their capacity. In carrying out these conservation projects, attention is being given to retention basins, drainage channels, and irrigation.

WORK PROGRESSING ON SHU HO CHANNEL -- Tsinan, Ta-chung Jih-pao, 12 Nov 50

Tsinan -- On 1 November, 200,000 civilian laborers who had been mobilized from 39 hsien in Shantung, began the fourth period of work on the new channel which is being constructed for the Shu Ho(11). This section now under construction is about 140 li  $\sqrt{3}$  li equals 1 mile long, and involves 800,000 fang of stone work, not to mention the earthwork. The original does not make it clear whether the fang is the old unit equal to 100 cubic feet, or the new unit, equal to one cubic meter. Modern mechanical equipment and explosives have been provided to cut through the rock of the intervening hills.

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SHANSI RECONSTRUCTS DIVERSIONARY DAM AND WATER GATE -- T'ai-yuan, Shansi  
Jih-pao, 15 Nov 50

T'ai-yuan -- On 29 October, the reconstruction of a diversionary embankment and water gate at Ch'ang-t'ou-ts'un(12) in section 2 of Ch'ing-yuan Hsien in Shansi, was completed 28 days ahead of schedule. The purpose of this reconstruction is to divert a portion of the water of the Fen Ho into the Kuang-hui-ch'u(13) irrigation canal. The early completion of this project will increase the irrigated area from 700,000 mou to 850,000 mou. The expense for labor, equipment, and construction materials amounted to the equivalent of 1,500,000 catties of millet.

DREDGE SHIP CHANNEL AT TAKU BAR -- Tientsin Jih-pao, 21 Oct 50

Tientsin -- By mid-October, the Hwai Ho Water-Conservancy Bureau had succeeded in deepening the channel across the Taku Bar to a depth of 9 feet below the Taku datum zero point. This has made possible the entrance to the port of Tientsin at high tide of ships drawing 17 feet of water. By the end of November, it is expected the channel will be dredged to a depth of 10½ feet, and by the middle of December to a depth of 11 feet. The task was greatly increased in volume and difficulty by the immense quantities of silt deposited by flood water during the past season.

## CHARACTERS

- |        |         |
|--------|---------|
| 1. 光王坡 | 7. 港河   |
| 2. 洪河口 | 8. 柳河   |
| 3. 隔河  | 9. 龍王坡  |
| 4. 穎河  | 10. 衛城  |
| 5. 西泥河 | 11. 沈河  |
| 6. 茨河  | 12. 長頭村 |
|        | 13. 廣惠渠 |

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- 4 -

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